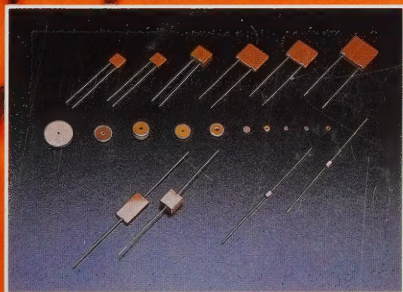


MAXWELL

SIERRA CAPACITOR/FILTER Division



I NTRODUCTION

Our new facility is specifically designed to gain the optimum production efficiency for the manufacture of multilayer ceramic capacitors and E.M.I. filters. Product design, process engineering, production sequences and quality assurance testing are logical and efficient. Our equipment and product technology are state-of-the-art. The staff at Maxwell's Sierra Division is well qualified and have been major factors in this business for over three decades. We are all experienced and accomplished in our areas of responsibility.

You are invited to visit us at any time, either for full-scale survey, or for an informal plant tour. We welcome your SCD's and custom specifications.



MARKETS SERVED



MEDICAL Maxwell's Sierra Division is a world leader in E.M.I. Filter Technology for Heart Pacemaker/De-Fibrillator use. We also offer E.M.I. Filtering products for medical diagnostic equipment.



SATELLITE COMMUNICATIONS Over 20 Telecommunications, Navigation, Surveillance & Weather Programs utilize our High Frequency E.M.I. Filters. INMARSAT, G.P.S., INTELSAT and several Commercial Programs are among the active orbiting users.



AEROSPACE Space Shuttle (SSMEC), Space Station, and Deep Space Probes are typical of the Mission Critical applications. We carry SSQ Filter and H.V. Capacitor approval for Space Station and E.S.A. Designs.



MILITARY Microwave, Missile Guidance and Avionics Flight Systems use our components individually or in Multi-Circuit "Boxes" and Bracket Assemblies. We feature MIL-F-15733 and MIL-F-28861 designs in programs like Patriot and TACMS.

ACCOMPLISHMENTS / MILESTONES

MIL-STD 790 facility approval	February 1988
Test facility approval (MIL-F-28861)	May 1988
Delivered MIL-F-28861 class S equivalent filters	December 1988
Space Station Approved Parts List (SSAEPL)	June 1989
C ³ patent issued	March 1990
QPL MIL-F-28861 B-Level (Slash numbers approved 01, 05, 06, 12)	October 1990
QPL MIL-F-15733/26	1991
MIL-C-123 S-Level baseline planned approval	In progress
QPL MIL-C-123 /9 (C ³) planned approval	In progress
QPL MIL-F-28861 S-Level planned approval	In progress



HI-REL INSTRUMENTATION The Network Analyzer industry requiring absolute Insertion Loss conformance across a wide frequency range uses Maxwell's Sierra Division Filter Products. Undersea Cable Transmission via Fiber Optic Pathways use reliable C³ capacitors in the communication industry.



GEOPHYSICAL LOGGING The C³ all ceramic capacitor has found "DOWN HOLE" acceptance in oil logging applications where severe reliability is required for standard and high-temperature use up to 260° C.



SPECIAL PRODUCTS Maxwell's Sierra Division is continuing development of new products such as low ESR, multiholed "planar" types, and bracket assemblies. We are always happy to quote your new designs and welcome the chance to work closely with you to develop your requirements.

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PRODUCT

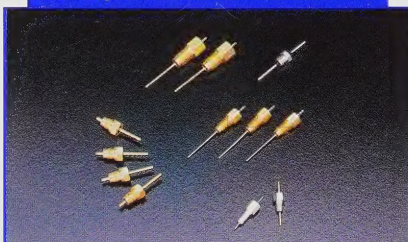
Solder-In Filters



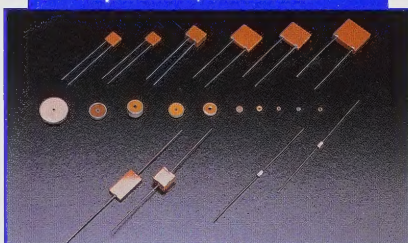
Broad Band EMI Filters



Bolt Style Filters



C³ Capacitors/Discoidals



APPLICATIONS

Satellite telecommunication,
microwave, radar,
transceivers, amplifiers,
multi-circuit filters

Medical diagnostic
equipment

Hi-rel analyzer equipment

Secure communication,
guidance systems (I.N.U.),
power supply filtering,
avionics & aerospace
systems requiring E.M.I.
suppression

Satellite telecommunication,
microwave, radar,
transceivers, multi-circuit
filters, guidance systems,
avionics and aerospace
systems requiring E.M.I.
suppression; network
analyzer equipment

High temperature uses in
oil logging, jet engine
temperature monitoring,
power supplies, vibration
monitoring equipment

D.E.S.C. Q.P.L.
& DRAWING
APPROVALS

P/N
STYLE

INSERTION
LOSS

T/C
CAPACITANCE
TEMPERATURE/
RANGE

MIL-F-28861/12
84080
84081
88051

1210/1230
1610/1630
2510/2530
4010/4030

10 MHz
to
10 GHz

X.7.R.,
Z.5.U.,
N.P.O.
cap to
1.2 uF
-55° C to
150° C

MIL-F-28861/01
MIL-F-28861/05
MIL-F-15733/26
SSAEP & SSQ
approval
84084
(Other 15733
Q.P.L.'s
pending)

3710, 3720
3730, 3740
4122, 4130
4132, 6910
6930

30 KHz
to
1 GHz

X.7.R.,
Z.5.U.,
N.P.O.
cap to
10 uF
-55° C to
125° C
(175° C
for some
designs)

MIL-F-28861/06
86131
(Other MIL-F-
15733 Q.P.L.'s
pending)

5010, 5020
5040, 5210
5230, 5250
5260, 5510
5520, 5530
5550, 5560

1 MHz
to
10 GHz

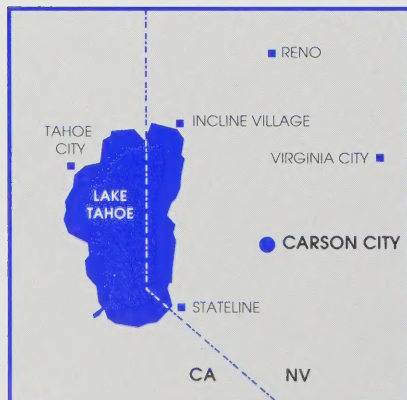
X.7.R.,
Z.5.U.,
N.P.O.
cap to
.15 uF
-55° C to
125° C

84046
87076
87077
87114
SSQ approval
MIL-C-123/9A
(pending)

CFXX
SCR/SCA
ACR/ACA
TCR/TCA
SRR/SRA
ARR/ARA
TRR/TRA

Discoidals
are rated
with
applicable
filters

X.7.R.,
Z.5.U.,
N.P.O.
cap to
10 uF
-55° C to
260° C



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MAXWELL

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